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A study on production line automation with LonWorks (TM) control networks
N Mahalik, SK Lee - Computer Standards & Interfaces, 2002 - Elsevier
... robotics, production **line**, packaging plant, mobile robotics such as AGV, **assembly** automation,
supervisory ... J. Korbicz and J. Kus , Diagnosis of sugar **factory** processes using GMDH ... in reputed
companies such as Samsung Heavy Industries and Toyada **Machine** Works before ...
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Optimization of indoor wireless communication network layouts
[PDF] from psu.edu
MD Adickes, RE Billo, BA Norman, S Banerjee. . - IIE Transactions, 2002 - Springer
... area 3 Office building – suburban area 4 Office building – urban area 5 **Factory** with heavy
machinery 6 Other ... We also list results with data from field tests in actual **factory** environments
where the solutions from the ... Ωx, yä ° identity of the square in row x and **column** y, where x ° 1 ...
Cited by 36 - Related articles - BL Direct - All 10 versions

[BOOK] Virtual Reality in Assembly Simulation: Collision Detection, Simulation Algorithms, and Interaction Techniques
[PDF] from psu.edu
G Zachmann - 2001 - Citeseer
... 182 5.2 **Assembly** simulation . . . . Figure 1.1: A bit of VR folklore: The first HMD was, to my
knowledge, devel- oped by Sutherland [Sut68]. It featured stereoscopic display of 3,000 lines
at 30 frames/sec, **line** clipping, and a mechanical and ultrasonic head tracker. 1 Page 10. ...
Cited by 49 - Related articles - Library Search - All 24 versions

LDRD final report: Automated planning and programming of assembly of fully 3D mechanisms
SG Kaufman, RH Wilson, RE Jones, TL Calton... - 1996 - osti.gov
... **Line** 1 This **line** declares the units to be inches ... 2-part-tool laserspotl alpin_04 a2_0i -.0157 -.3323
0 0 0 1 Figure 2: Example of an **assembly** non-geometric data file a ... The answer has to do with
finding the proper balance between effort on the part of the human and the **machine**. ...
Cited by 4 - Related articles

Agile manufacturing prototyping system (AMPS)
P Garcia - 1998 - osti.gov
... rest of the structure in order to make it possible to move the entire **assembly** as a ... out using
C-language for custom driver development and Visual Basic for state **machine** control, client ... is
little variation in process for all the products in a product family and the **factory** only produces ...

[BOOK] Computational intelligence in design and manufacturing
A Kusiak - 2000 - books.google.com
... System / 187 7.1.3 Just-in-Time System / 188 7.1.3.1 Kanban System Concept / 190 7.1.3.2
Kanban Rules / 191 7.2 Capacity Balancing / 192 7.3 **Assembly Line** Balancing / 197 7.4
Manufacturing Scheduling / 199 7.4.1 Scheduling n Operations on a Single **Machine** / 201 7.4. ...
Cited by 107 - Related articles - Library Search - All 5 versions

[PDF] Mui: Controlling Equipment via Migrating User Interfaces
[PDF] from lth.se
T Eklund .. - 2002 - lucas.lth.se
... It is a simple but robust tool without an integrated editor and without advanced debug
capabilities. J2ME for J9: J9 is a virtual **machine** from IBM. ... The top button row and the left
button **column** are two containers that contain three buttons each. ...
Cited by 3 - Related articles - View as HTML

Retirement for Cause/Engine Structural Integrity Program; Advanced Capability Motion Controller
[PDF] from dtic.mil
P Collins.. - 1998 - oai.dtic.mil
... their existing capital equipment investment and have the latest technology in **factory** floor
production ... PANEL ASSEII日LY AED-767COLORD@SPLAY OP三RATO尺CONTROL **ASSEMBLY**
OPERATO尺火 ... FFT analysis was performed on ECIS #5 in Dayton, a Version 1 **machine**. ...
Cited by 2 - Related articles - All 4 versions

[CITATION] Genetic algorithms: a tool for modelling, simulation, and optimization of complex systems
[PS] from uni-hannover.de
H Szczerbicka, M Syrjakow... - Cybernetics ..., 1998 - ... New York, NY, etc | Hemisphere Pub ..
Cited by 26 - Related articles - BL Direct - All 6 versions

[PDF] A User Interface Toolkit Extension for Cooperative Problem Solving
[PDF] from reginahuntington.com
R Huntington - 1995 - reginahuntington.com
... support these activities. The proposed mechanism is the extension of a **graphical user interface**
(GUI) toolkit - ... vehicle **assembly**. The setup stage of robotic welding (and many other manufacturing
processes) is ... The first problem relates to off-**line** planning, which is ...
Related articles - View as HTML - Library Search - All 2 versions

[PDF] Vision-based closed-loop control of mobile microrobots for micro handling tasks

A Buerkle, F Schmoeckel, M Kiefer... - Proc. SPIE, 2001 - www.ipr.ira.uka.de

... of **assembly** operations ... In the next step, all possible vertical **line** segments in each image **column**
are assigned membership values according to brightness, length ... task of building the **line** segments
specifying the object using the iterative process of edge detection and **line** linking ...

Cited by 17 - Related articles - View as HTML - All 7 versions

[PDF] from uka.de

[PDF] Java Based MIDI Interface for Robot Control

GS Harode - 2000 - eidr.wvu.edu

... variables. An on-**line** mode is satisfactory for many applications but it becomes ... competitive.
In US metal working industry, **machine** loading and unloading appears ... But what drives
this work is the growing use of robotics in **assembly** operations. ...

Related articles - View as HTML - Library Search - All 4 versions

[PDF] from wvu.edu

Process compilation of thin film microdevices

M Hasanuzzaman... - Computer-Aided Design of ..., 2002 - ieeexplore.ieee.org

... of simulation tools for semiconductor device processing in the 1970s created a "virtual **factory**"
environment which ... where P is a permutation matrix with a single one in each row and **column**
and ... of D is performed in a finite time and without exceeding the **machine** storage space. ...

Cited by 12 - Related articles - BL Direct - All 4 versions

[BOOK] Wireless sensor network designs

A Hac - 2003 - Citeseer

... control in buildings, environmental monitor- ing, home automation, distributed monitoring of **factory**
plants or ... of sensors, such as intelligent patient monitoring, object tracking, and **assembly line**
sensing. ... In the run-time environment, the Java virtual **machine** forms the core com ...

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[PDF] from psu.edu

Virtual Reality in **Assembly** Simulation

G Zachmann - 2001 - tuprints.ulb.tu-darmstadt.de

... 242 5.2 **Assembly** simulation . . . . Figure 1.1: A bit of VR folklore: The first HMD was, to my
knowledge, devel- oped by Sutherland [Sut68]. It featured stereoscopic display of 3,000 lines
at 30 frames/sec, **line** clipping, and a mechanical and ultrasonic head tracker. ...

Cited by 1 - Related articles - All 4 versions

[PDF] from tu-darmstadt.de

[PS] Domain-oriented component-based automatic program generation

T Rus - VIP Forum on Interdisciplinary Computing, .. , 2003 - cs.uiowa.edu

... Therefore this **path** of the automatic program generation cannot result in automatic problem solving
as ... It should be the task of the "programming **factory**" developing such specification schemes and
universal ... and we refer here only to the interactive use of a **machine** through its ...

Cited by 3 - Related articles - View as HTML - All 7 versions

[PS] from uiowa.edu

[PDF] A continuum mechanic design aid for non-planar compliant mechanisms

PA Petri - 2002 - dspace.mit.edu

... beam geometry for non-planar loads 61 2-13 Stiffness matrix row reduction 66 ... one promising
approach, but nothing can match the simplicity of no **assembly** requirements in ... In practical systems
ranging from MEMS to **machinery**, contamination is almost inevitable, and precision ...

Cited by 6 - Related articles - Library Search - All 3 versions

[PDF] from mit.edu

[BOOK] Needs-based Development of X/Motif User Interfaces

KP DesRochers, P Desrochers, G Prince... - 1994 - Citeseer

... The traditional programming languages (eg, C, C++, Pascal, and Ada) still rely on the standard
input/output (I/O) functions of writing and reading a **line** of data. ... program for a particular **machine**,
environment, or application." [Microsoft 94] Page 13. - 4 - ... **factory** for the designer. ...

Related articles - View as HTML - Library Search - All 5 versions

[PDF] from psu.edu

[CITATION] GENETIC ALGORITHMS: A TOOL FOR MODELLING, SIMULATION, AND
OPTIMIZATION OF COMPLEX SYSTEMS

HSMBM Syrjakow - Cybernetics and Systems, 1998 - Taylor & Francis

Related articles

[PDF] The RJCE System for Dynamically Changing Object Methods

JD Bloom - 2003 - Citeseer

... 74 5.1.3 The Interpreter ..... 75 5.1.4 Abstract **Factory** design pattern .... complete, the
assembler converts the **assembly** language into **machine** code. ...

Related articles - View as HTML - All 7 versions

[PDF] from psu.edu

Applications of Smalltalk/V to digital image processing

F Liu - 1994 - eprints.vu.edu.au

... 69 Figure 5.10 Work flow diagram 71 Figure 5.11 Contents of ImageLab's on-**line** help system
72 ... TAS cellular logic **machine**, PPL (Pattern Processing Language) coded at the ... However, since
even the best FORTRAN compilers can not always generate **assembly** ...

All 3 versions

[PDF] from vu.edu.au

[PDF] Architecture-Independent Design for Run-Time Reconfigurable Custom Computing Machines

RD Hudson - 2000 - Citeseer

... of FPGAs and supporting components organized in a custom-computing **machine** (CCM). ... When
early computer programmers wrote enough code in an **assembly** language, they realized ... user

[PDF] from psu.edu

interface is designed using the author's procedural programming language of **choice**. ...
Cited by 5 - Related articles - View as HTML - Library Search - All 6 versions

[PDF] Techniques and applications of production planning in electronics manufacturing systems   [PDF] from psu.edu
J Smed, M Johnsson, T Johtela... - Computer Aided and ..., 2003 - Citeseer
... At the tactical level, the decisions con- cern **machine** and **line** configurations, production ... Klegka
and Driels [66] study four cases of PCB as- sembly and conclude that FMS analysis is
inappropriate for PCB **assembly** system analysis: FMS analysis chooses among multiple ...
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[BOOK] Extreme programming explored   [PDF] from ksu.edu.sa
WC Wake - 2001 - faculty.ksu.edu.sa
... Even if you're working from a command **line**, it's just not that bad, as you can keep windows open
for compilers and so on. ... Result remembers its list via an array, but that is not the best **choice** for
a structure that needs to change its size. We'll change to use a Vector: ...
Cited by 103 - Related articles - View as HTML - Library Search - All 37 versions

[PDF] Applying Configuration Management Techniques to Component-Based Systems   [PDF] from psu.edu
M Larsson - Licentiate Thesis Dissertation, 2000 - Citeseer
... architecture which can be configured for different products within the product **line** [14]. ... The primary
goal of component technology, independent deployment and **assembly** of components will not
be ... user the opportunity to implement the application on top of a protocol of **choice**. ...
Cited by 32 - Related articles - View as HTML - All 9 versions

BUILDING A GOPHER FROM SOCKETS AND WIDGETS
W is GOPHER - Wisdom of the gurus: a vision for object ..., 1998 - books.google.com
... server • the logic to determine what type of data a particular **line** is We ... 392 authoritative source,
273 automated regression test, 211,217 automatic teller **machine** (ATM), 125 ... arithmetic operations,
256 ARM, 347 arrays, 367, 369,379,404 artisans, 221 **assembly**, 19,221 assertions ...
All 2 versions

[BOOK] Upgrading relational databases with objects
R Vermeulen - 1997 - books.google.com
... Certainly the entire row can represent a unique "key," or reference, but this can be unwieldy.
A better solution is to designate a single **column** (or at most a few columns) to act as the unique
reference to the row. This **column** (or set of columns) is known as the primary key. ...
Cited by 3 - Related articles - Library Search - All 5 versions

[CITATION] Computer, internet & multimedia dictionary
S Verma - 1998 - Universities Press
Cited by 1 - Related articles - Library Search - All 2 versions

[BOOK] Computers, graphics & learning   [PDF] from psu.edu
LP Rieber - 1994 - Citeseer
... Approaches to Fixed-**Path** Animation 93 GUI-Based Approaches to Fixed-**Path** Animation 98
Data ... tools, such as those that provide learners with "real-time, on-**line**" interaction, offer ... the design
of instructional materials on the computer based on the **machine's** pyrotechnics rather ...
Cited by 177 - Related articles - View as HTML - Library Search - All 11 versions

[PDF] Applications of optimization with Xpress-MP   [PDF] from psu.edu
C Guéret, C Prins ... - contract, 1999 - Citeseer
... 34 3.3.2.1 **Choice** among several possibilities . . . . 94 7.4 Sequencing jobs on a
bottleneck **machine** . . . . 100 7.6 **Assembly line** balancing . . . .
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